

**COMMONWEALTH OF VIRGINIA  
STATE IMPLEMENTATION PLAN REVISION**

**TECHNICAL SUPPORT DOCUMENTATION FOR  
OPACITY VARIANCE FOR ROCKET TEST FACILITY**

at  
**Aerojet Corporation  
Orange County Facility  
7499 Pine Stake Road  
Culpeper, Virginia 22701  
Registration No. 40743**

Technical documentation in support of the opacity variance for the rocket motor test operations at the Orange County facility is available for viewing at the Department of Environmental Quality on request. The following documents are available in electronic form:

**Original documents provided on April 20, 2005**

(1) OB/OD Modeling Study dated March 1999

1.3 Output Files for OB/OD Modeling Runs for Particulate Matter (PM10) for Calendar Years 1987 Through 1991

(2) Revised OB/OD Modeling Study dated June 2002

2.3 Output Files for OB/OD Modeling Runs for Particulate Matter (PM10) for Calendar Years 1987 Through 1991

2.4 Output Files for OB/OD Modeling Runs for Particulate Matter (PM100) for Calendar Years 1987 Through 1991

2.5 Output Files for OB/OD Modeling Runs for Particulate Matter (PM1000) for Calendar Years 1987 Through 1991

2.6 Input and Output OB/OD Files for All PM Modeling Runs Conducted in 2002 (Four Files Per Run)

(3) Meteorological Data Files for Dulles Airport for Calendar Years 1987 through 1991 [these files were used for both 1999 and 2002 modeling studies]

(4) OB/OD Modeling Software and Associated Information

4.1 Current Version of OB/OD Modeling Software (Version 1.3.0021 Dated January 2005) [electronic format only – earlier versions of program were used for 1999 and 2002 modeling studies]

4.2 User's Guide for OB/OD Model (Two Volumes)

**Supplementary documents provided on August 28, 2008**

(1) Edited Output Files for Updated OB/OD Modeling Runs for PM for Calendar Years

1987 Through 1991

(2) Input and Output Files for All Updated OB/OD Modeling Runs for PM (Four Files Per Run)

(3) Edited Output Files for OB/OD Modeling Test Runs for Pressure and Humidity

(4) Input and Output Files for All for OB/OD Modeling Test Runs for Pressure and Humidity (Four Files Per Run)

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